TITLE: Method of determining Alzheimer's disease predisposition by Angiotensin Converting Enzyme (ACE) genotyping
INVENTOR(S): Owen, Michael John; Kehoe, Patrick Gavin; Williams, Julie
PATENT ASSIGNEE(S): University of Wales College of Medicine, UK
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
	WO 2000000640	A2	20000106	WO 1999-GB1924		19990629	<--
	WO 2000000640	A3	20000525				
	W: AU, CA, JP, US						
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE						
	AU 9945183	A1	20000117	AU 1999-45183		19990629	<--
PRIORITY APPLN. INFO.:				GB 1998-14045	A	19980630	
				GB 1998-27961	A	19981219	
				WO 1999-GB1924	W	19990629	

PI WO 2000000640 A2 **20000106**

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2000000640	A2	20000106	WO 1999-GB1924	19990629	<--
	WO 2000000640	A3	20000525			
	W: AU, CA, JP, US					
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
	AU 9945183	A1	20000117	AU 1999-45183	19990629	<--

AB A method of determining a predisposition to or prognosis of Alzheimer's Disease (AD) in a human by detecting the Angiotensin Converting Enzyme (ACE) genotype is disclosed. The method involves **genotyping** the **insertion/deletion** polymorphism in **ACE** (DCP1) gene by direct probing, polymerase chain reaction (**PCR**), restriction fragment length polymorphism (RFLP), or DNA chip technol. where detection of **one** or more copies of the **insertion** (I) allele is associated with predisposition to Alzheimer's Disease and low level of plasma **ACE** (ACEp). DNA samples to be tested are obtained from blood, cheek scrapings, mouthwash, body fluids, or tissue samples.

IT Genetic polymorphism
(**insertion/deletion**, at **ACE** (DCP1) locus; method of determining Alzheimer's disease predisposition by **Angiotensin Converting Enzyme** (**ACE**) **genotyping**)

IT Mutation
(**insertion**; method of determining Alzheimer's disease predisposition by **Angiotensin Converting Enzyme** (**ACE**) **genotyping**)

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(FILE 'HOME' ENTERED AT 15:26:23 ON 28 FEB 2006)

FILE 'REGISTRY' ENTERED AT 15:26:37 ON 28 FEB 2006
E TCATCACCTCCGACAACAGAGG/SQEN
L1 2 S E3

FILE 'CAPLUS' ENTERED AT 15:29:02 ON 28 FEB 2006
L2 1 S L1

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     FILE 'REGISTRY' ENTERED AT 15:29:22 ON 28 FEB 2006
                E TATGGAAACTGTTGCGGAGGAG/SQEN
L3             2 S E3

     FILE 'CAPLUS' ENTERED AT 15:31:00 ON 28 FEB 2006
L4             1 S L3

     FILE 'REGISTRY' ENTERED AT 15:36:56 ON 28 FEB 2006
L5             2 S TCATCACCTCCGACAACAGAGG/SQSN
L6             7 S TATGGAAACTGTTGCGGAGGAG/SQSN
L7             2 S CCTCTGTTGTCGGAGGTGATGA/SQSN

     FILE 'CAPLUS' ENTERED AT 15:40:09 ON 28 FEB 2006
L8             4 S L6

     FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 15:41:18 ON 28 FEB 2006
L9          4214 S (ANGIOTENSIN?(W)CONVERT?(W)ENZYME? OR "ACE") (S) (GENOTYP? OR
L10          214 S L9 (S) (THIRD OR THREE)
L11           51 S L10 (S) (INSERT? OR DETECT?)
L12           25 DUP REM L11 (26 DUPLICATES REMOVED)
L13          894 S L9 (S) (INSERT? OR DELET?)
L14          532 DUP REM L13 (362 DUPLICATES REMOVED)
L15           97 S L14 AND (SINGLE OR ONE OR SIMULTANEOUS?)
L16           54 S L15 AND PY<=2002

=> d L16 ibib kwic 21-24

L16  ANSWER 21 OF 54  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1999:187771  CAPLUS
DOCUMENT NUMBER:          131:30495
TITLE:                    Gene polymorphisms of the renin-angiotensin system in
                          essential hypertension
AUTHOR(S):                Liu, Ying; Qiu, Changchun; Zhou, Wenyu; Zheng, Yong;
                          Hou, Shuqin; Cao, Jun
CORPORATE SOURCE:         Department of Pathological Biochemistry, School of
                          Life Sciences, Faculty of Medicine, Tottori
                          University, Tottori, 683, Japan
SOURCE:                   Chinese Medical Journal (Beijing, English Edition) (
                          1999), 112(2), 115-120
                          CODEN: CMJODS; ISSN: 0366-6999
PUBLISHER:                Chinese Medical Association
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
REFERENCE COUNT:          16    THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
SO   Chinese Medical Journal (Beijing, English Edition) (1999),
     112(2), 115-120
     CODEN: CMJODS; ISSN: 0366-6999
AB   Objective: to determine whether angiotensin-converting enzyme (ACE) gene,
     angiotensinogen (AGT) gene and angiotensin II receptor 1 (AT1R) gene are
     implicated in Chinese essential hypertension (EH). Methods: the
     case-control and haplotype-based haplotype relative risk (HHRR) study
     consisted of 169 essential hypertensive subjects (HT), 152 normotensive
     controls (NT) and 62 families. The polymorphisms of insertion/
     deletion (I/D) allele of ACE gene and the microsatellite
     allele of AT1R gene were determined in DNA extracted from peripheral blood
     leukocytes by polymerase chain reaction (PCR). The variants of
     AGT gene were screened by PCR-single strand conformation
     polymorphism (PCR-SSCP) anal. and further identified by cloning and
     sequencing. Results: the significant association between EH and D allele of
     ACE gene was found. The difference of the microsatellite allele
     distribution of AT1R gene between HT and NT groups was statistically
     significant. By contrast, the distribution of A-20C genotype of AGT gene
     was almost identical in HT and NT groups. No significant linkage
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WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Tuesday, February 28, 2006

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR		
☐	L8	L2 same (insert$3 or delet$3)	158
☐	L7	L3 and (insert$3 or delet$3)	1296
☐	L6	L4 same (insert$3 or delet$3)	31
☐	L5	L4 and (insert$3 or delet$3)	184
☐	L4	L2 same (third or three)	329
☐	L3	L2 and (third or three)	1892
☐	L2	((angiotensin$ near2 convert$3 near2 enzyme$) or "ACE") same (genotyp$3 or "PCR" or sequenc$3)	2144
☐	L1	((angiotensin$ near2 convert$3 near2 enzyme$) or "ACE") same genotyp$3	135

END OF SEARCH HISTORY